

PTO/SB/82 (01-06)

Approved for use through 12/31/2008. OMB 0651-0035

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**REVOCATION OF POWER OF  
ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	09/899,495
Filing Date	July 5, 2001
First Named Inventor	Christopher W. Benjamin
Art Unit	1647
Examiner Name	Robert S. Landsman
Attorney Docket Number	00180.US1

Renumbered As PC26682

**I hereby revoke all previous powers of attorney given in the above-identified application.**☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

23913

☒ Please change the correspondence address for the above-identified application to:☒ The address associated with  
Customer Number:

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OR

☐ Firm or  
Individual Name

Address

City

State

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Country

Telephone

Email

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Signature

Name

Grover F. Fuller Jr., Reg. No. 31,760, In His Capacity As (See Below)

Date

March 10, 2006

Telephone

(212) 573-1390

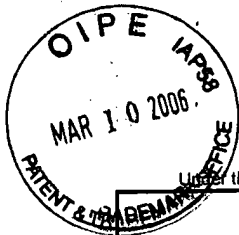
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Assistant Secretary of Pharmacia & Upjohn Company LLC  
(Formerly Known As Pharmacia & Upjohn Company)



PTO/SB/96 (12-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Christopher W. Benjamin, Steven L. Roberts, Alla M. Karnovsky and Cara L. RubleApplication No./Patent No./Control No.: 09/899,495 Filed/Issue Date: July 5, 2001Entitled: HUMAN ION CHANNELSPharmacia & Upjohn Company, a Corporation  
(Name of Assignee) (Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 012625, Frame 0820, or a true copy of the original assignment is attached. (Copy Also Attached)

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
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The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

  
SignatureMarch 10, 2006

Date

Grover F. Fuller Jr., Reg. No. 31,760(212) 573-1390

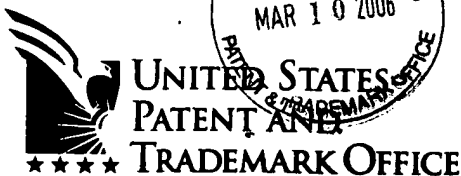
Printed or Typed Name

Telephone Number

Assistant Secretary of Pharmacia & Upjohn Company LLC (Formerly Known As Pharmacia & Upjohn Company)  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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H13

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APRIL 26, 2002

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\*102003778A\*

Woodcock Washburn Kurtz  
Machiewicz & Morris LLPUNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/13/2002

REEL/FRAME: 012625/0820  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

BENJAMIN, CHRISTOPHER W.

DOC DATE: 12/05/2001

## ASSIGNOR:

ROBERDS, STEVEN L.

DOC DATE: 11/28/2001

## ASSIGNOR:

KARNOVSKY, ALLA M.

DOC DATE: 12/04/2001

## ASSIGNOR:

RUBLE, CARA L.

DOC DATE: 12/04/2001

## ASSIGNEE:

PHARMACIA & UPJOHN COMPANY  
301 HENRIETTA STREET  
KALAMAZOO, MICHIGAN 49007

SERIAL NUMBER: 09899495

FILING DATE: 07/05/2001

PATENT NUMBER:

ISSUE DATE:

MD/GJA

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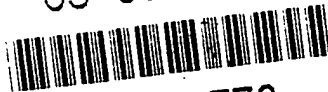
JUN 04 2002

PHARMACIA  
GLOBAL INTELLECTUAL PROPERTY

012625/0820 PAGE 2

LAZENA MARTIN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

03-06-2002



102003778

SHEET

To The Honorable Commissioner of

Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Christopher W. Benjamin  
First AssignorDecember 5, 2001  
Date of ExecutionSteven L. Roberds  
Second AssignorNovember 28, 2001  
Date of ExecutionAlla M. Karnovsky  
Third AssignorDecember 4, 2001  
Date of ExecutionCara L. Ruble  
Fourth AssignorDecember 4, 2001  
Date of Execution

Fifth Assignor

Date of Execution

Sixth Assignor

Date of Execution

Additional name(s) of conveying party(ies) attached? ( ) YES (X) NO

## 2. Name and address of receiving party(ies):

Name: Pharmacia &amp; Upjohn Company

Street Address: 301 Henrietta Street

City: Kalamazoo

State: Michigan

ZIP: 49007

Additional name(s) &amp; address attached? ( ) YES (X) NO

## 3. Nature of Conveyance (check only one):

- (X) New Assignment ( ) Merger  
 ( ) License Agreement ( ) Security Agreement  
 ( ) Change of Name ( ) Other:

( ) Cross-reference of Assignment filed in United States  
 Application No. \_\_/\_\_, recorded on \_\_\_\_ at  
 Reel No. \_\_\_\_ and Frame No. \_\_\_\_

## 4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.:

09/899,495

Patent Nos.: JUN 0 4 2002

 PHARMACIA  
 GLOBAL INTELLECTUAL PROPERTY

Date application was signed by the first named executing inventor

(Fill-in this date only if assignment is  
 filed together with a new application)

## 5. Name and address of party to whom correspondence concerning documents should be mailed:

 Name: Gwilym J. O. Attwell  
 WOODCOCK WASHBURN LLP  
 One Liberty Place - 46th Floor  
 Philadelphia, Pennsylvania 19103-7301  
 215-568-3100
6. Total number of applications and patents involved: one

## 7. Total fee (37 CFR 3.41):.....\$40.00

(X) Enclosed

( ) Authorized to be charged to Deposit Account  
 Number 23-3050

## 8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gwilym J.O. Attwell/45,449

Name of Person Signing/Reg. No.

Signature

January 25, 2002  
DateTotal number of pages including cover sheet, assignment document and additional pages attached thereto: 4

Mail documents to be recorded with required cover sheet information to:

 Commissioner of Patents and Trademarks  
 Box Assignments  
 Washington, D.C. 20231

03/05/2002 TDIAZ1 00000168 09899495

01 FC:581

40.00

ASSIGNMENT

**Title: HUMAN ION CHANNELS**

**Inventors: Christopher W. Benjamin, Steven L. Roberds, Alla M. Karnovsky, Cara L. Ruble**

**Serial No.: 09/899,495**

**Filing Date: July 5, 2001**

**Docket No.: 00188US**

**Country: United States of America**

**Execution Date of Application:**

As a below-named inventor, I hereby declare that:

My post office address is as stated below under my signature and I am named as inventor of the inventions or discoveries (herein INVENTIONS) as described in the patent application (herein APPLICATION) identified above. In view of valuable consideration, receipt thereof is hereby acknowledged, I do hereby assign and transfer unto PHARMACIA & UPJOHN COMPANY, a corporation of the State of Delaware having a place of business at Kalamazoo, Michigan, its successors and assigns, my entire interest in and the full and exclusive right to the INVENTIONS, the APPLICATION and all related applications (including all divisions, reissues, continuations, and extensions thereof) and all counterparts in other countries, and any and all Letters Patent (and certificates of invention or similar certificates) (herein PATENTS) which may be granted based upon the INVENTIONS or the APPLICATION or related applications or counterparts in other countries; said transfer and assignment being applicable throughout the world. I hereby authorize and request officials of patent offices in any and all countries of the world to issue any and all of the PATENTS, when granted, to PHARMACIA & UPJOHN COMPANY, its successors and assigns, as the assignee of my entire right, title, and interest in and to the same. I agree that I will communicate to PHARMACIA & UPJOHN COMPANY, or its representatives, any facts known to me respecting the invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of the PATENTS to be issued to PHARMACIA & UPJOHN COMPANY; make all rightful oaths; and generally do everything possible to aid PHARMACIA & UPJOHN COMPANY, its successors and assigns, to obtain and enforce proper protection for the INVENTION in any and all countries throughout the world.

FULL NAME OF FIRST/SOLE INVENTOR: Christopher W. Benjamin

Signature of Inventor: Christopher W. Benjamin

Address: 8325 Warbler Dr, Kalamazoo, Michigan 49009

STATE OF MICHIGAN  
COUNTY OF KALAMAZOO

On December 5, 2001, the above-named inventor personally appeared before me and executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

SEAL

Debra J. Marquette  
Notary Public **DEBRA J. MARQUETTE**  
Notary Public, Kalamazoo County, MI  
My Commission Expires 9/25/2004

FULL NAME OF SECOND/JOINT INVENTOR: Steven L. Roberds

Signature of Inventor: *Steven L. Roberds*

Address: 48444 Hickory Lane, Mattawan, Michigan 49071

STATE OF MICHIGAN  
COUNTY OF KALAMAZOO

On 28 November 2001, the above-named inventor personally appeared before me and executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

SEAL

*Debra J. Marquette*  
Notary Public

DEBRA J. MARQUETTE  
Notary Public, Kalamazoo County, MI  
My Commission Expires 9/25/2004

FULL NAME OF THIRD/JOINT INVENTOR: Alla M. Karnovsky

Signature of Inventor: *Ala Karnovsky*

Address: 2943 Bramble Drive, Kalamazoo, Michigan 49009

STATE OF MICHIGAN  
COUNTY OF KALAMAZOO

On December 4, 2001, the above-named inventor personally appeared before me and executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

SEAL

*Debra J. Marquette*  
Notary Public

DEBRA J. MARQUETTE  
Notary Public, Kalamazoo County, MI  
My Commission Expires 9/25/2004

FULL NAME OF FOURTH/JOINT INVENTOR: Cara L. Ruble

Signature of Inventor: Cara L. Ruble

Address: 56881 CR 653, Paw Paw, Michigan 49079

STATE OF MICHIGAN  
COUNTY OF KALAMAZOO

On December 4, 2001, the above-named inventor personally appeared before me and executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

SEAL

Debra J. Marquette  
Notary Public

**DEBRA J. MARQUETTE**  
Notary Public, Kalamazoo County, MI  
My Commission Expires 9/25/2004